

CLAIMS

1. A wireless telephone, wherein:

(a) the wireless telephone includes:

(1) a speaker; and

(2) a microphone; and

(b) the wireless telephone is *characterized in that* it includes:

(1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;

(2) a voice CODEC manager software to the micro-browser or micro-client software;

(3) a real or virtual push-to-talk (PTT) button;

(4) means for sending:

(A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and

(B) an indication that the PTT button has been depressed;

in response to a depression of the PTT button; and

(5) means for sending an incoming streaming voice data message through the voice CODEC manager software to the speaker, in response to a release of the PTT button.

2. An Internet, Intranet, or Extranet server, wherein:

(a) the Internet, Intranet, or Extranet server includes means for storing a plurality of Internet, or Intranet or Extranet, addresses; and

(b) the server is *characterized in that* it includes:

(1) means for receiving an indication that a push-to-talk (PTT) button has been depressed at a wireless telephone at each address;

- 10 (2) means for determining whether more than one wireless
telephone has a depressed PTT button indication;
- 12 (3) means, responsive to more than one wireless telephone
having a depressed PTT button indication, for arbitrating
14 which wireless telephone is allowed to place a streaming
voice data message on the server;
- 16 (4) means for placing a streaming voice data message on the
server from the arbitrated wireless telephone or from a sole
wireless telephone;
- 18 (5) means for sending the placed data to the wireless
telephones at the other addresses; and
- 20 (6) means for dynamically grouping wireless telephones and
networked computers into conferences.

3. A system, wherein:

- 2 (a) the system includes a first wireless telephone, a second wireless
telephone or networked computer, a first base station, a second
4 base station, and an Internet, Intranet, or Extranet server;
- (b) each wireless telephone includes:
- 6 (1) a speaker; and
(2) a microphone;
- 8 (c) the first wireless telephone is in wireless communication with a
first base station;
- 10 (d) the first base station is in communication, through the Internet, or
an Intranet or Extranet, with the server;
- 12 (e) the second wireless telephone is in wireless communication with a
second base station;
- 14 (f) the second base station or networked computer is in
communication, through the Internet, or an Intranet or Extranet,
16 with the server;
- 18 (g) the server includes means for storing a plurality of Internet, or
Intranet or Extranet, addresses;

(h) each wireless telephone is *characterized in that* it includes:

- (1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;
 - (2) a voice CODEC manager software to the micro-browser or micro-client software;
 - (3) a real or virtual push-to-talk (PTT) button;
 - (4) means for sending:
 - (A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and
 - (B) an indication that the PTT button has been depressed;in response to a depression of the PTT button; and
 - (5) means for sending an incoming streaming voice data message through the voice CODEC manager software to the speaker, in response to a release of the PTT button; and
- (i) the server is *characterized in that* it includes:
- (1) means for receiving an indication that a push-to-talk (PTT) button has been depressed at a wireless telephone at each address;
 - (2) means for determining whether more than one wireless telephone has a depressed PTT button indication;
 - (3) means, responsive to more than one wireless telephone having a depressed PTT button indication, for arbitrating which wireless telephone is allowed to place a streaming voice data message on the server;
 - (4) means for placing a streaming voice data message on the server from the arbitrated wireless telephone or from a sole wireless telephone;
 - (5) means for sending the placed data to the wireless telephones at the other addresses; and

50 (6) means for dynamically grouping wireless telephones and
networked computers into conferences.

4. The system of Claim 3, *further characterized in that* the first base station
2 is the same as the second base station.

5. The system of Claim 3, *further characterized in that* the first base station
2 is different from the second base station.

6. The system of Claim 3, *further characterized in that* the server is
2 configured to add or remove the address of a wireless telephone on
request from that wireless telephone.

7. The system of Claim 3, *further characterized in that* the server is
2 configured to add or remove the address of a wireless telephone on
request from a device other than that wireless telephone.

8. The system of Claim 3, *further characterized in that* the server is
2 configured, on request from a wireless telephone, to store one or more
streaming voice data messages and to forward them to the wireless
4 telephone on subsequent request.

9. The system of Claim 3, *further characterized in that* the system further
2 includes at least one additional device, which is not a wireless telephone,
but which has been constructed, and has been connected to the server, so
4 as to emulate a wireless telephone.

10. The system of Claim 9, *further characterized in that* the server is
2 configured to add or remove the address of a wireless telephone or first
device on request from a second device.

11. A method for operating a wireless telephone, wherein:

2 (a) the wireless telephone includes:

(1) a speaker; and

4 (2) a microphone;

(b) the wireless telephone is *characterized in that* it includes:

6 (1) a micro-browser or micro-client software having an Internet, Intranet, or Extranet address;

8 (2) a voice CODEC manager software to the micro-browser or micro-client software; and

10 (3) a real or virtual push-to-talk (PTT) button; and

(c) the method is *characterized in that* it includes:

12 (1) depressing the PTT button;

(2) sending:

14 (A) an outgoing streaming voice data message from the microphone through the voice CODEC manager software; and

16 (B) an indication that the PTT button has been depressed;

18 in response to a depression of the PTT button;

20 (3) releasing the PTT button; and

22 (4) sending an incoming streaming voice data message through the voice CODEC manager software to the speaker, in response to a release of the PTT button.

12. A method for operating an Internet, Intranet, or Extranet server, wherein:

2 (a) the method includes storing a plurality of Internet, Intranet, or Extranet addresses; and

4 (b) the method is *characterized in that* it further includes:

6 (1) receiving an indication that a push-to-talk (PTT) button has been depressed at a wireless telephone at each address;

- 8 (2) determining whether more than one wireless telephone has
a depressed PTT button indication;
- 10 (3) if more than one wireless telephone has a depressed PTT
button indication, arbitrating which wireless telephone is
12 allowed to place a streaming voice data message on the
server;
- 14 (4) placing a streaming voice data message on the server from
the arbitrated wireless telephone or from a sole wireless
16 telephone;
- 18 (5) sending the placed streaming voice data message to the
wireless telephones at the other addresses; and
- 20 (6) dynamically grouping wireless telephones and networked
computers into conferences.

13. A method for operating a system, wherein:

- 2 (a) the system includes a first wireless telephone, a second wireless
telephone, a first base station, a second base station, and an
4 Internet, Intranet, or Extranet server;
- 6 (b) each wireless telephone includes:
- (1) a speaker; and
- (2) a microphone;
- 8 (c) the first wireless telephone is in wireless communication with a
first base station;
- 10 (d) the first base station is in communication, through the Internet,
Intranet or Extranet, with the server;
- 12 (e) the second wireless telephone is in wireless communication with a
second base station;
- 14 (f) the second base station is in communication, through the Internet,
Intranet or Extranet, with the server;
- 16 (g) the server includes means for storing a plurality of Internet, or
Intranet or Extranet, addresses;
- 18 (h) each wireless telephone is *characterized in that* it includes:

- 20 (1) a micro-browser or micro-client software having an
Internet, Intranet, or Extranet address;
- 22 (2) a voice CODEC manager software to the micro-browser or
micro-client software; and
- 24 (3) a real or virtual push-to-talk (PTT) button; and
- 24 (i) the method is *characterized in that* it includes:
- 26 (1) depressing the PTT button on the first wireless telephone;
- 26 (2) the first wireless telephone sending:
- 28 (A) an outgoing streaming voice data message from the
microphone through the voice CODEC manager
software; and
- 30 (B) an indication that the PTT button has been
depressed;
- 32 in response to a depression of the PTT button, to the first
base station;
- 34 (3) the first base station sending an indication to the server that
the PTT button has been depressed at the first wireless
36 telephone;
- 38 (4) the server arbitrating, if more than one wireless telephone
has a depressed PTT button indication, which wireless
40 telephone is allowed to place a streaming voice data
message on the server;
- 42 (5) placing the streaming voice data message on the server
from the arbitrated wireless telephone or from a sole
wireless telephone;
- 44 (6) the server sending the placed streaming voice data message
to the second wireless telephone through the second base
46 station;
- 48 (7) the second wireless telephone sending the placed
streaming voice data message through the voice CODEC
manager software, in response to a release of the PTT
50 button, to the speaker; and

52 (8) the server sending the placed streaming voice data message
to the wireless telephones at the other addresses, if any.

14. The method of Claim 13, *further characterized in that* the first base
2 station is the same as the second base station.

15. The method of Claim 13, *further characterized in that* the first base
2 station is different from the second base station.

16. The method of Claim 13, *further characterized in that* the method further
2 includes adding or removing the address of a wireless telephone on
request from that wireless telephone.

17. The method of Claim 13, *further characterized in that* the method further
2 includes adding or removing the address of a wireless telephone on
request from a device other than that wireless telephone.

18. The method of Claim 13, *further characterized in that* the method further
2 includes, on request from a wireless telephone, the server storing one or
4 more streaming voice data messages and forwarding them to the
wireless telephone on subsequent request.

19. The method of Claim 13, *further characterized in that* the system further
2 includes at least one additional device, which is not a wireless telephone,
4 but which has been constructed, and has been connected to the server, so
as to emulate a wireless telephone.

20. The method of Claim 19, *further characterized in that*:

2 (a) the server is configured to add or remove the address of a wireless
telephone or first device on request from a second device; and
4 the method includes, at the second device, clicking on an avatar representing
the wireless telephone or first device.